



Coastal
The Energy People

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DIVISION OF
OIL GAS & MINING

0068

November 11, 1991

Daron Haddock
Permit Supervisor
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, UT 84180-1203

Dear Mr. ^{Daron}Haddock:

Attached is our certified report for activities at the
Scofield Waste Rock Disposal site for the third quarter of 1991.
Also attached is the analysis for a gob sample taken on 7-17-91.

Sincerely,

Keith W. Zobel
Environmental Engineer

KWZ:lm

Attachment

Utah Fuel Company

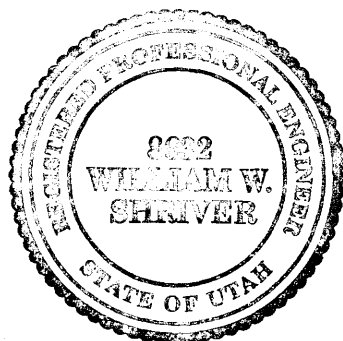
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SALT LAKE 801/596-7111



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I, William W. Shriver, do hereby certify that during the third quarter of 1991, approximately 110 cubic yards of gob material was hauled to our Scofield Waste Rock Disposal Site. All material was spread and compacted in two foot lifts.



W. W. Shriver

William W. Shriver
Registered Professional Engineer
Utah Registration No. 8632

KWZ:1m

Utah Fuel Company

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COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (708) 953-9300

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TELEPHONE: (801) 653-2311
FAX: (801) 653-2479

October 3, 1991

UTAH FUEL COMPANY
P.O. Box 719
Helper Utah 84526

Sample identification by
UTAH FUEL COMPANY

Kind of sample Soil
reported to us

Sample taken at Utah Fuel

SCOFIELD GOB PIT

Sample taken by Utah Fuel

* Coarse fragments were primarily coal.
This material was processed with the
sample and was not identified as
coarse fragments.

Date sampled July 17, 1991

Date received July 17, 1991

Analysis report no. 59-137494

SOIL ANALYSIS

pH 7.9 units
Conductivity 3.0 mmhos/cm
Saturation % 40.6

Rock Fragments *
Total Nitrogen 0.74 %
Nitrate-nitrogen 1.70 mg/kg
Organic Carbon 5.9 %

PARTICLE SIZE ANALYSIS

% Sand 73.1
% Silt 20.5
% Clay 6.4

Total Available Selenium
0.02<mg/kg
Total Available Boron
1.26mg/kg

SOLUBLE CATIONS

Calcium 27.2 meq/l
Magnesium 8.93 meq/l
Sodium 2.66 meq/l

Available Water Capacity
8.1 (1/3)
6.6 (15)

Sodium Adsorption Ratio 0.62

ACID BASE POTENTIAL

Maximum Acid Potential 11.6 tons CaCO₃/ 1000 tons
Neutralization Potential 39.6 tons CaCO₃/ 1000 tons
Acid-Base Potential 28.0 tons CaCO₃/ 1000 tons

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

Manager, Huntington Laboratory

OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES